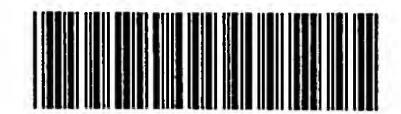
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Application Serial Number: | Square: Source: | Square Processed by STIC: | Square |

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PATENT APPLICATION: US/10/591,271

DATE: 09/18/2006

TIME: 15:14:31

Input Set: A:\WIBL-PWO-035.TKT - > ---

Output Set: N:\CRF4\09182006\J591271.raw

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4 <110> APPLICANT: Whitehead Institute for Biomedical Research
               Harbison, Christopher
            Young, Richard A.
               Gordon, David B.
             Fraenkel, Ernest
      10 <120> TITLE OF INVENTION: BIOLOGICALLY-ACTIVE DNA-BINDING SITES
               AND RELATED METHODS
      11
      13 <130> FILE REFERENCE: WIBL-PWO-035
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/591,271
. C > 16 <1415 CURRENT FILING DATE: 2006-08-31
      18 <150> PRIOR APPLICATION NUMBER: US 60/550,074
      19 <151> PRIOR FILING DATE: 2004-03-04
      21 <150> PRIOR APPLICATION NUMBER: US 60/604,470
      22 <151> PRIOR FILING DATE: 2004-08-25
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      47 <213> ORGANISM: S. mikatae
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      50 atactacgtg ac
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### DATE: 09/18/2006 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/591,271 TIME: 15:14:31 Input Set : A:\WIBL-PWO-035.TXT Output Set: N:\CRF4\09182006\J591271.raw 63 <213> ORGANISM: Artificial Sequence 65 <220> FEATURE: 66 <223> OTHER INFORMATION: Recognition sequence for YDR026C 68 <400> SEQUENCE: 5 69 tttacccggm 10 71 <210> SEQ ID NO: 6 72 <211> LENGTH: 18 73 <212> TYPE: DNA 74 <213> ORGANISM: Artificial Sequence 76 <220> FEATURE: 77 <223> OTHER INFORMATION: Unlabeled competitor for Cin5 binding 79 <400> SEQUENCE: 6 80 gcgacattac ctaagggc 18 82 <210> SEQ ID NO: 7 83 <211> LENGTH: 18 84 <212> TYPE: DNA 85 <213> ORGANISM: Artificial Sequence 87 <220> FEATURE: \* \* 88 < 223 > OTHER INFORMATION: Unlabeled competitor for Cin5 binding 90 <400> SEQUENCE: 7 91 gcgacattac taaagggc 18 93 <210> SEQ ID NO: 8 94 <211> LENGTH: 13

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129 <223> OTHER INFORMATION: Known binding site for Abf2

123 <210> SEQ ID NO: 10

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DATE: 09/18/2006

TIME: 15:14:31

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,271

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PATENT APPLICATION: US/10/591,271
DATE: 09/18/2006
TIME: 15:14:31

Input Set : A:\WIBL-PWO-035.TXT

Output Set: N:\CRF4\09182006\J591271.raw

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DATE: 09/18/2006

Input Set : A:\WIBL-PWO-035.TXT Output Set: N:\CRF4\09182006\J591271.raw 265 <211> LENGTH: 12 266 <212> TYPE: DNA 267 <213> ORGANISM: Artificial Sequence 269 <220> FEATURE: 270 <223> OTHER INFORMATION: Known binding site for Hap1 W--> 272 <221> NAME/KEY: misc\_feature 273 <222> LOCATION: 4, 5, 6, 9 " 274 <223> OTHER INFORMATION: n = A, T, C or GW--> 276 < 400 > 21W--> 277 cggnnntanc gg 12 279 <210> SEQ ID NO: 22 280 <211> LENGTH: 13 281 <212> TYPE: DNA 282 <213> ORGANISM: Artificial Sequence 284 <220> FEATURE: 285 <223> OTHER INFORMATION: Discovered binding site for Hsf1 W--> 287 <221> NAME/KEY: misc feature 288 <222> LOCATION: 5, 6, 7, 8, 9, 10 289 <223 > OTHER INFORMATION:  $n = A_n T_n C$  or GW--> 291 < 400 > 2213 W--> 292 ttcynnnnn ttc 294 <210> SEQ ID NO: 23 295 <211> LENGTH: 14 296 <212> TYPE: DNA 297 <213> ORGANISM: Artificial Sequence 299 <220> FEATURE: 300 <223> OTHER INFORMATION: Known binding site for Hsf1 W--> 302 <221> NAME/KEY: misc feature 303 <222> LOCATION: 9, 10 304 <223> OTHER INFORMATION: n = A, T, C or G W--> 306 < 400 > 23W--> 307 ttctagaann ttct 14 . . 309 <210> SEQ ID NO: 24 310 <211> LENGTH: 11 311 <212> TYPE: DNA 312 <213> ORGANISM: Artificial Sequence 314 <220> FEATURE: 315 <223> OTHER INFORMATION: Discovered binding site for Ime1 W--> 317 <221> NAME/KEY: misc\_feature 318 <222> LOCATION: 8 319 <223 > OTHER INFORMATION: n = A, T, C or G W--> 321 < 400 > 24W--> 322 aakgaaankw a 11 324 <210> SEQ ID NO: 25 325 <211> LENGTH: 10 326 <212> TYPE: DNA 327 <213> ORGANISM: Artificial Sequence 329 <220> FEATURE: 330 <223> OTHER INFORMATION: Known binding site for Ino2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,271 TIME: 15:14:31

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/18/2006
PATENT APPLICATION: US/10/591,271 TIME: 15:14:32

Input Set : A:\WIBL-PWO-035.TXT

Output Set: N:\CRF4\09182006\J591271.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:8; N Pos. 7,8,9,10
Seq#:9; N Pos. 7,8,9,10
Seq#:14; N Pos. 4,5,6,7,8,9,10,11,12,13,14
Seq#:15; N Pos. 4,5,6,7,8,9,10,11,12,13,14
Seq#:16; N Pos. 4,5,6,7,8,9,10,11,12,13,14
Seq#:18; N Pos. 3,4,8
Seq#:19; N Pos. 3,4,10,12
Seq#:21; N Pos. 4,5,6,9
Seq#:22; N Pos. 5,6,7,8,9,10
Seq#:23; N Pos. 9,10
Seq#:24; N Pos. 8
Seq#:29; N Pos. 3,7,8
Seq#:30; N Pos. 10,11
- Seq#:32; N. Pos. 3,7,8
Seq#:35; N Pos. 4,5,6,7,8,9,10,11,12,13
Seq#:39; N Pos. 7,8
Seq#:44; N Pos. 4,6
Seq#:50; N Pos. 4
Seq#:51; N Pos. 6,7,8
Seq#:54; N Pos. 7,8
Seq#:55; N Pos. 7
Seq#:56; N Pos. 4,5,6,7
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# VERIFICATION SUMMARYDATE: 09/18/2006PATENT APPLICATION: US/10/591,271TIME: 15:14:32

Input Set : A:\WIBL-PWO-035.TXT

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L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
  L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
  L:101 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:105 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
  L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
  L:116 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
* L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
  L:175 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:179 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
  L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
  L:190 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:194 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
  L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
  L:205 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:209 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
  L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
 L:231 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:235 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
  L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
  L:246 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:250 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
  L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
  L:272 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:276 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
  L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
  L:287 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:291 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
  L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
  L:302 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:306 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
  L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
  L:317 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:321 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
  L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
  L:376 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:380 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29
  L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
  L:391 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
  L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
  L:417 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:421 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
  L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
  L:454 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
  L:458 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35
  L:459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
  L:502 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
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#### VERIFICATION SUMMARY

DATE: 09/18/2006

PATENT APPLICATION: US/10/591,271 TIME: 15:14:32

Input Set : A:\WIBL-PWO-035.TXT

Output Set: N:\CRF4\09182006\J591271.raw

L:506 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39 L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0 L:561 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:565 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44 L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0 L:631 M:281 W: Numeric Fields 'not Ordered, <221> Sort in ascending order! L:635 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:50 L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0 L:646 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:650 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51 L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0 L:683 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:687 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54 L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0 L:698 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:702 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:55 L:703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0 L:713 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:717 M. 258 W: Mandatory Feature missing, <220> Taginot foundator SEQ ID#:56 4 5 L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0"

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GRAY SCALE DOCUMENTS		
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